# Acer Altos Solutions

## Acer Altos G540 M2
## Scalable performance and great availability

The Altos G540 M2 is a leading-edge technology 5U pedestal server that combines scalable performance and new availability features for cost-effective business growth. Allowing customers to configure the system to suit their specific business requirements, the Acer Altos G540 M2 delivers great value thanks to its highly-flexible scalability features. Running on the latest Intel® processor, with ultra-fast DDR3 memory and large storage capacity, Acer Altos G540 M2 not only is built for breakthrough performance, energy efficiency and reliability, but also offers long lasting dependability and return on investment.

### HIGHER AVAILABILTY
Altos G540 M2 servers operate on redundant power supplies and fans and utilize a scalable data protection solution with RAID monitoring, which ensures less hardware failure downtime and higher availability. These servers also provide advanced TPM-based data protection and automated file backup and restore.

### CONVENIENT MANAGEABILITY
With improved KVM technology, Altos G540 M2 servers deliver an enhanced remote management solution that simplifies system recovery and decreases troubleshooting effort and maintenance costs. An improved modular component cage for HDDs makes upgrading simple and trouble free.

### SCALABLE PRODUCTIVITY
The Altos G540 M2 server solution includes EasyBUILD™, a user-friendly interface that allows rapid server provisioning through cloning, an enhanced post-setup guide for installing applications or utilities, and an easy-to-use resource kit disc with software documentation. EasyBUILD™ helps set up a group of identical servers to get software and services running in less time.

### GREEN OPERATION
All Altos servers utilize highly efficient power supplies that reduce energy consumption, increasing environmental friendliness and lowering operational costs at the same time.

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### HIGHLIGHTS:

- Scalable to business growth
- Innovative technology and high reliability
- Comprehensive server management

## ACER ALTOS G540 M2 SPECIFICATIONS

| | |
|---|---|
| **Processor** | One or two Intel® Xeon® processor 5500 series<br>• Up to 2.93 GHz<br>• 4.80/5.86/6.40 GT/s QPI<br>• 4MB L3 shared cache (4.80 GT/s versions)<br>• 8MB L3 shared cache (5.86 and 6.40 GT/s versions)<br>• 800/1066/1333 DDR3 memory<br>• Intel® Turbo Boost Technology (supported on 5.86 and 6.40 GT/s QPI versions only)<br>• Intel® Virtualization Technology (Intel® VT)<br>• Intel® QuickPath Technology up to 6.4 GT/sHyper-Threading Technology (supported on 5.86 and 6.40 GT/s QPI versions only)<br>• Intel® 64 Technology |
| **Chipset** | Intel® 5520 chipset |
| **VGA** | Embedded graphics controller with 32 MB video memory |
| **Memory** | Twelve DDR3 1333 MHz ECC unbuffered/registered DIMMs (six DIMMs per processor), supporting:<br>• Six-channel memory bus (three channels per processor)<br>• 1 to 8 GB registered DIMMs for up to 96 GB of total system memory, or 1 to 4 GB unbuffered DIMMs for up to 48 GB of total system memory<br>• Memory mirroring, lockstep mode, x4/x8 SDDC |
| **Expansion slots** | Five PCI Express® and PCI expansion slots<br>• One PCI Express® 2.0 x16 slot (with sixteen PCI Express® 2.0 lanes)<br>• Two PCI Express® 2.0 x8 slots (with eight PCI Express® 2.0 lanes)<br>• One PCI Express® x8 slot (with four PCI Express® lanes)<br>• One PCI (32-bit / 3.3 V) slot |
| **Onboard I/O** | Two PS/2 ports<br>Serial port<br>Six USB 2.0 ports (two front-accessible)<br>Two Gigabit Ethernet (RJ-45) ports<br>Fast Ethernet (RJ-45) port dedicated for BMC management<br>VGA port |
| **RAID** | Integrated six-port SATA software with RAID 0, 1, 10 support |
| **SATA2** | Six SATA2-300 ports onboard |
| **SAS** | Optional SAS or SAS RAID card |
| **LAN controller** | Integrated dual-port Gigabit Ethernet supporting Intel® I/O Acceleration Technology<br>Integrated single-port 10/100 Fast Ethernet dedicated for BMC management |
| **Security and service features** | Power status LED<br>HDD access LED<br>LAN activity LEDs<br>System Status LED<br>System ID LED/Button<br>Chassis intrusion alert<br>Lockable door |
| **System power supply** | 600 Watts (85% power efficiency) or 610 Watts (78% power efficiency) power supply depending con configuration; 110-127 / 200-240 V auto-sensing;<br>Can be upgraded with second power module for hot-swap and redundancy |
| **Cooling system** | One system fan (can be upgraded with second system fan for redundancy) |
| **Drive bays** | Two front-accessible 5.25" drive bays |
| **Storage** | Up to eight 3.5" or sixteen 2.5" SAS/SATA HDDs in two cages<br>• Easy-swappable<br>• Supports hot-swap with optional backplane<br>DVD-ROM or DVD Writer<br>5.25" tape drive |
| **Peripherals** | Acer monitor and keyboard |
| **Form factor** | Tower<br>5U rack-mountable |

| | |
|---|---|
| **Dimensions** | 432 (H) x 210 (W) x 650 (D) mm |
| **Weight** | 32 kg |
| **Safety** | UL, Nemko GS, CB |
| **EMI** | FCC Class A, BSMI, CCC, CE |
| **Server Management Utilities and Applications** | IPMI 2.0<br>TPM v1.2<br>Built-in Altos eXpress Console for server management and KVM over IP remote management<br>Acer EasyBUILD™ v9.0<br>Acer Server Manager (ASM) |
| **Operating System Support** | Microsoft® Windows® Server 2008 Standard and Enterprise Edition (x86)<br>Microsoft® Windows® Server 2008 Standard and Enterprise Edition (EM64T)<br>Microsoft® Windows® Server 2003 Standard and Enterprise Edition (x86)<br>Microsoft® Windows® Server 2003 Standard and Enterprise Edition (EM64T)<br>Red Hat® Enterprise Linux 5.0 (x86)<br>Red Hat® Enterprise Linux 5.0 (EM64T)<br>Novell® SuSE® Linux Enterprise Server 10 (x86)<br>Novell® SuSE® Linux Enterprise Server 10 (EM64T)<br>VMware ESX 4i and VMware ESX 4.0<br>Novell® NetWare® 6.5 |

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